

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 56030111
PUBLICATION DATE : 26-03-81

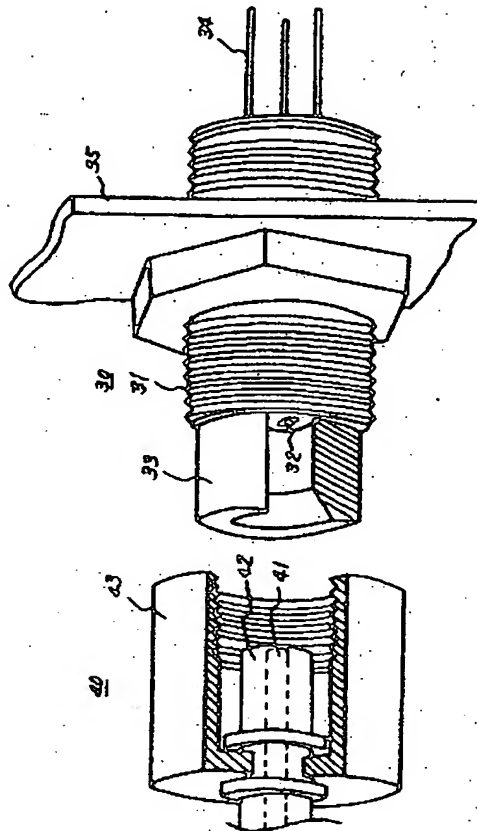
APPLICATION DATE : 21-08-79
APPLICATION NUMBER : 54106236

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INT.CL. : G02B 7/26

TITLE : RECEPTACLE FOR OPTICAL
COMMUNICATION



ABSTRACT : PURPOSE: To enable a light emitting element or photodetector to be operated stably irrespective of external conditions by constituting an optical communication receptacle by a bolt-shaped metal stem, a semiconductor light emitting element or photodetector packaged to this stem and an optical cable guide stuck to this stem.

CONSTITUTION: A metal-made stem 31 packaged with a light emitting (or photodetecting) diode 32 is screwed by fixing screws to a substrate 35. An optical cable guide 33 is stuck to the stem 31 after having been aligned and adjusted of its position. The sleeve 42 of an optical cable side connector 40 is inserted into the cable guide 33 and is fixed to the stem 31 by a coupling nut 43, whereby the optical connection of the optical cable 41 and the light emitting (or photodetecting) diode 32 is accomplished. At this time, the stem 31 per se acts as a heat sink for heat radiation; therefore, the light emitting (or photodetecting) element may be stably operated irrespective of external conditions.

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